

# UNITED STATES ENVIRONMENTAL PROTECTION AGENCY 401 M Street, S.W. WASHINGTON, D.C. 20460

Paperwork Reduction Act Notice: The public reporting burden for this collection of information is estimated to average 0.25 hours per response for registration activities and 0.25 hours per response for registration and special review activities, including time for reading the instructions and completing the necessary forms. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden to: Director, OPPE Information Management Division

		DATA MA	ATRIX			
Date April 24,	2020		EPA Reg. No./File Symbol 7969-446 , 7969-445 Page 1 of 45			of 45
			Product Glufosinate-ammonium (Technical) / Glufosinate-Ammonium MUP			ı MUP
Ingredient	Technical Glufosinate-ammonium					
Guideline Reference Number	Guideline Study Name	MRID Numb	er	Submitter	Status	Note
SERIES 830	PRODUCT PROPERTIES TEST GUIDELINES					
	Product Identity, Composition, and Analysis Test Guidelines					
830.1550 (61-1)				BASF Corporation	OWN	
				BASF Corporation	OWN	
				BASF Corporation	OWN	
				BASF Corporation	OWN	
830.1600 (61-2)				BASF Corporation	OWN	
				BASF Corporation	OWN	
				BASF Corporation	OWN	

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Signature	/ /		Name and Title	Date
	1101.	ach	Karen Cain	04/24/2020
1 (	men (		Product Registrations Manager	



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DATA MATRIX					
Date         April 24, 2020           EPA Reg. No./File Symbol 7969-446 , 7969-445         Page 2 of 45					
Applicant's/Registrant's Name & Address  BASF Corporation, 26 Davis Drive, Research Triangle Park, NC 27709-3528	Product Glufosinate-ammonium (Technical) / Glufosinate-Ammonium MUP				
Ingredient Technical Glufosinate-ammonium					

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
			BASF Corporation	OWN	
830.1620 (61-2)					
830.1650 (61-2)					
830.1670 (61-3)			BASF Corporation	OWN	
			BASF Corporation	OWN	
			BASF Corporation	OWN	
830.1700 (62-1)			BASF Corporation	OWN	
			BASF Corporation	OWN	
830.1750 (62-2)			BASF Corporation	OWN	

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Signature /		1	Name and Title	Date
Va	101.	al		04/24/2020
$I \mathcal{U}$	un C		Product Registrations Manager	



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Date         April 24, 2020           EPA Reg. No./File Symbol 7969-446 , 7969-445         Page 3 of 45					
Applicant's/Registrant's Name & Address	Product				
BASF Corporation, 26 Davis Drive, Research Triangle Park, NC 27709-3528	Glufosinate-ammonium (Technical) / Glufosinate-Ammonium MUP				
Ingredient Technical Glufosinate-ammonium					

ingredient recinical Giulosinate-aninomum					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
			BASF Corporation	OWN	
830.1800 (62-3)			BASF Corporation	OWN	
			BASF Corporation	OWN	
			BASF Corporation	OWN	
830.1900 (64-1)					
830.6302 (63-2)			BASF Corporation	OWN	
830.6303 (63-3)			BASF Corporation	OWN	
830.6304 (63-4)			BASF Corporation	OWN	

Signature /	Name and Title	Date
Valor Cach	Karen Cain	04/24/2020
I allen Car	Product Registrations Manager	



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Date         April 24, 2020           EPA Reg. No./File Symbol 7969-446 , 7969-445         Page 4 of 45					
Applicant's/Registrant's Name & Address	Product				
BASF Corporation, 26 Davis Drive, Research Triangle Park, NC 27709-3528	Glufosinate-ammonium (Technical) / Glufosinate-Ammonium MUP				

Ingredient Technical Glufosinate-ammonium

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note		
830.6313 (63-13)			BASF Corporation	OWN			
830.6314 (63-14)							
830.6315 (63-15)			BASF Corporation	OWN			
830.6316 (63-16)			BASF Corporation	OWN			
830.6317 (63-17)			BASF Corporation	OWN			
830.6319 (63-19)							
830.6320 (63-20)			BASF Corporation	OWN			
830.6321 (63-21)							
830.7000 (63-12)			BASF Corporation	OWN			

Signature /	/			Name and Title	Date
V	101.	ach	/	Karen Cain	04/24/2020
$I \mathcal{U}$	un C			Product Registrations Manager	i



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Date         April 24, 2020           EPA Reg. No./File Symbol 7969-446 , 7969-445         Page 5 of 45					
Applicant's/Registrant's Name & Address	Product				
BASF Corporation, 26 Davis Drive, Research Triangle Park, NC 27709-3528	Glufosinate-ammonium (Technical) / Glufosinate-Ammonium				
Ingredient Technical Glufosinate-ammonium	MUP				

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note			
830.7050								
830.7100 (63-18)								
830.7200 (63-5)			BASF Corporation	OWN				
830.7220 (63-6)								
830.7300 (63-7)			BASF Corporation	OWN				
830.7370 (63-10)			BASF Corporation	OWN				
830.7550 (63-11)			BASF Corporation	OWN				
830.7560 (63-11)								
830.7570 (63-11)								

Signature /			Name and Title	Date
V	1101.	all	Karen Cain	04/24/2020
$I \omega$	ien C		Product Registrations Manager	



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Date April 24	, 2020		<b>EPA Reg. No./File Symbol</b> 7969-446, 7969-445 <b>Page</b> 6 of 45			6 <b>of</b> 45					
	gistrant's Name & Address on, 26 Davis Drive, Research Triangle Park, NC	Product Glufosinate-ammonium (Technical) / Glufosinate-Ammonium MUP									
Ingredient	Technical Glufosinate-ammonium										
Guideline Reference Number  Guideline Study Name Number			er	Submitter	Status	Note					
830.7840 (63-8)				BASF Corporation	OWN						
830.7950 (63-9)				BASF Corporation	OWN						
830.7950 (63-9)				BASF Corporation	OWN						
SERIES 835											
(161-1)				BASF Corporation	OWN						
				BASF Corporation	OWN						
				BASF Corporation	OWN						

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Signature	/ /		Name and Title	Date
	1101.	ach	Karen Cain	04/24/2020
1 (	men (		Product Registrations Manager	



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	L	DAIAMA	AIRIX				
Date April 24, 2	020		<b>EPA Reg. No./File Symbol</b> 7969-446 , 7969-445 <b>Page</b> 7 <b>of</b> 45				
	trant's Name & Address 26 Davis Drive, Research Triangle Park, NC 27709-3528		Product Glufosinate-ammonium (Technical) / Glufosinate-Ammonium MUP				
Ingredient T	echnical Glufosinate-ammonium						
Guideline Reference Number	Guideline Study Name	MRID Number		Submitter	Status	Note	
(161-2)				BASF Corporation	OWN		
				BASF Corporation	OWN		
(161-3)				BASF Corporation	OWN		
				BASF Corporation	OWN		
				BASF Corporation	OWN		
				BASF Corporation	OWN		
(162-1)				BASF Corporation	OWN		

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	Signature /		1		Name and Title	Date
	Va	101.	al	$\omega$	Karen Cain	04/24/2020
		un C			Product Registrations Manager	



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	D	ATA MA	TRIX					
Date April 24, 20	020		EPA R	eg. No./File Symbol 7969-446, 7969-445	Page 8 c	of 45		
_	rant's Name & Address 26 Davis Drive, Research Triangle Park, NC 27709-3528		Produ			MUD		
•			Glutos	sinate-ammonium (Technical) / Glufosinate-	Ammonium	N MUP		
Ingredient Te	echnical Glufosinate-ammonium							
Guideline Reference Number	Guideline Study Name	MRID Numbe	er	Submitter	Status	Note		
				BASF Corporation	OWN			
				BASF Corporation	OWN			
				BASF Corporation	OWN			
				BASF Corporation	OWN			
				BASF Corporation	OWN			

Signature /	/		Name and Title	Date
$V_{A}$	1101.	ach	Karen Cain	04/24/2020
I ()	un C		Product Registrations Manager	

**BASF** Corporation

**BASF** Corporation

**BASF** Corporation

**BASF** Corporation

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#### **DATA MATRIX** EPA Reg. No./File Symbol 7969-446, 7969-445 Page 9 of 45 Date April 24, 2020 Applicant's/Registrant's Name & Address **Product** BASF Corporation, 26 Davis Drive, Research Triangle Park, NC 27709-3528 Glufosinate-ammonium (Technical) / Glufosinate-Ammonium MUP Ingredient Technical Glufosinate-ammonium Guideline MRID Reference **Guideline Study Name Submitter Status** Note Number Number **BASF** Corporation OWN (162-3)**BASF** Corporation (162-3)OWN (162-4)**BASF** Corporation OWN **BASF** Corporation OWN **BASF** Corporation OWN (163-1)**BASF** Corporation OWN **BASF** Corporation OWN **BASF Corporation**

Signature /			Name and Title	Date
V	101.	ach	/ Karen Cain	04/24/2020
	un C		Product Registrations Manager	

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Date April 24, 20	020		EPA R	eg. No./File Symbol 7969-446, 7969-445	<b>Page</b> 10	<b>of</b> 45			
	rant's Name & Address 26 Davis Drive, Research Triangle Park, NC 27709-3528		Produ Glufos	uct sinate-ammonium (Technical) / Glufosinate	-Ammoniun	n MUP			
Ingredient Te	echnical Glufosinate-ammonium								
Guideline Reference Number	Guideline Study Name	MRID Numbe	er	Submitter	Status	Note			
(163-2)				BASF Corporation	OWN				
				BASF Corporation	OWN				
(164-1)				BASF Corporation	OWN				
				BASF Corporation	OWN				
				BASF Corporation	OWN				
				BASF Corporation	OWN				

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Signature /	· /		Name and Title	Date
	1101.	au	Karen Cain	04/24/2020
I (1)	un C		Product Registrations Manager	



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DATA MATRIX											
Date April 24	Date         April 24, 2020           EPA Reg. No./File Symbol 7969-446 , 7969-445         Page 11 of 45										
	Applicant's/Registrant's Name & Address Product										
BASF Corporation	on, 26 Davis Drive, Research Triangle Park, NC 27709-3528		Glufo	sinate-ammonium (Technical) / Glufosinate	-Ammoniun	n MUP					
Ingredient	Technical Glufosinate-ammonium										
Guideline Reference Number  Guideline Study Name Numl				Submitter	Status	Note					
				BASF Corporation	OWN						
				BASF Corporation	OWN						
				BASF Corporation	OWN						
				BASF Corporation	OWN						
				BASF Corporation	OWN						
				BASF Corporation	OWN						
				BASF Corporation	OWN						
(164-2)				BASF Corporation	OWN						
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		_		
Signature /		1	Name and Title	Date
V	101.	all	Karen Cain	04/24/2020
$I \mathcal{U}$	un C		Product Registrations Manager	



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	D	ATA MA	TRIX			
Date April 24, 20	020		<b>EPA Reg. No./File Symbol</b> 7969-446, 7969-445 <b>Page</b> 12 <b>of</b> 45			<b>of</b> 45
Applicant's/Registrant's Name & Address  BASF Corporation, 26 Davis Drive, Research Triangle Park, NC 27709-3528			Produ Glufos	<b>uct</b> sinate-ammonium (Technical) / Glufosinate-	Ammoniun	n MUP
Ingredient Te	echnical Glufosinate-ammonium					
Guideline Reference Number	Guideline Study Name	MRID Numbe	er	Submitter	Status	Note
835.1510 (201-1)						
840.4200 (202-1)						
SERIES 850						
850.1010 (72-2)				BASF Corporation	OWN	
				BASF Corporation	OWN	
				BASF Corporation	OWN	

Name and Title

**Product Registrations Manager** 

Karen Cain

FP	Α	Form	8570-35	

Signature

ain

Date

04/24/2020



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Date April 24,	, 2020		EPA R	eg. No./File Symbol 7969-446 , 7	7969-445 <b>P</b> a	age 13 c	of 45
	istrant's Name & Address n, 26 Davis Drive, Research Triangle Park, NC	Product Glufosinate-ammonium (Technical) / Glufosinate-Ammonium MUP					
Ingredient	Technical Glufosinate-ammonium						
Guideline Reference Number	Guideline Study Name	MRID Numbe	er	Submitter	Sta	atus	Note
850.1025 (72-3)				BASF Corporation	OV	ΝN	
				BASF Corporation	OV	ΝN	
850.1035 (72-3)				BASF Corporation	OV	ΝN	
850.1075 (72-1,3)				BASF Corporation	OV	ΝN	
850.1075 (72-1,3)				BASF Corporation	OV	ΝN	
				BASF Corporation	OV	ΝN	
850.1075 (72-1,3)				BASF Corporation	OV	ΝN	
Signature	n Cain	•		Name and Title Karen Cain Product Registrations Manage	r	•	<b>Date</b> 04/24/2020



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Applicant's/Registrant's Name & Address	Product							
BASF Corporation, 26 Davis Drive, Research Triangle Park, NC 27709-3528	Glufosinate-ammonium (Technical) / Glufosinate-Ammonium MUP							

Ingredient Technical Glufosinate-ammonium

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
850.1075 (72-1,3)			BASF Corporation	OWN	
850.1075 (72-1,3)			BASF Corporation	OWN	2019/2065631
850.1075 (72-1,3)			BASF Corporation	OWN	2019/2065186
850.1075 (72-1)			BASF Corporation	OWN	
850.1075 (72-1)			BASF Corporation	OWN	
850.1075 (72-,3)			BASF Corporation	OWN	
850.1075 (72-,3)			BASF Corporation	OWN	
850.1075 (72-,3)			BASF Corporation	OWN	
850.1300 (72-4)			BASF Corporation	OWN	

Signature /	/			Name and Title	Date
V	101.	ach	/	Karen Cain	04/24/2020
$I \mathcal{U}$	un C			Product Registrations Manager	i



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Date April 24,	2020		EPA Reg. No./File Symbol 7969-446 , 7969-445 Page 15 of 45				
Applicant's/Registrant's Name & Address  BASF Corporation, 26 Davis Drive, Research Triangle Park, NC 27709-3528				Product Glufosinate-ammonium (Technical) / Glufosinate-Ammonium MUP			
Ingredient	Technical Glufosinate-ammonium						
Guideline Reference Number	Guideline Study Name	MRID Numbe	er	Submitter	Status	Note	
850.1350 (72-4)							
850.1400 (72-4)				Freshwater (fathead minnow)	OWN	2019/2066536	
850.1400 & 850.1500 (72-4/72-5)				Estuarine/marine		2020/2036743 - Waiver	
850.1730 (72-6/165-4)				BASF Corporation	OWN		
				BASF Corporation	OWN		
Nonguideline OECD 204				BASF Corporation	OWN		
850.SUPP				BASF Corporation	OWN		
850.SUPP				BASF Corporation	OWN		
Signature	n Cain	•		Name and Title Karen Cain Product Registrations Manager	•	<b>Date</b> 04/24/2020	



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Applicant's/Registrant's Name & Address  BASF Corporation, 26 Davis Drive, Research Triangle Park, NC 27709-3528			Product Glufosinate-ammonium (Technical) / Glufosinate-Ammonium MUP						
Ingredient Te	Ingredient Technical Glufosinate-ammonium								
Guideline Reference Number	Guideline Study Name	MRID Numbe	er	Submitter	Status	Note			
850.SUPP				BASF Corporation	OWN				
850.2100 (71-1)				BASF Corporation	OWN				
850.2100 (71-1)				BASF Corporation	OWN				
850.2100 (71-1)				BASF Corporation	OWN				

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Signature	/ /		Name and Title	Date
	1101.	ach	Karen Cain	04/24/2020
1 (	men (		Product Registrations Manager	



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<b>Date</b> April 24, 2020	<b>EPA Reg. No./File Symbol</b> 7969-446 , 7969-445 <b>Page</b> 17 <b>of</b> 45							
Applicant's/Registrant's Name & Address	Product							
BASF Corporation, 26 Davis Drive, Research Triangle Park, NC 27709-3528	Glufosinate-ammonium (Technical) / Glufosinate-Ammonium MUP							
BASF Corporation, 26 Davis Drive, Research Triangle Park, NC 27709-3528	Glufosinate-ammonium (Technical) / Glufosinate-Ammonium MUP							

Ingredient Technical Glufosinate-ammonium

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
850.2100			BASF Corporation	OWN	
850.2100			BASF Corporation	OWN	2020/2034590 (Passerine-waiver)
850.2200 (71-2)			BASF Corporation	OWN	
850.2200 (71-2)			BASF Corporation	OWN	
850.2200 (71-2)			BASF Corporation	OWN	
850.2200 (71-2)			BASF Corporation	OWN	
850.2200 (71-2)			BASF Corporation	OWN	
850.2300 (71-4)			BASF Corporation	OWN	
			BASF Corporation	OWN	

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Signature /		1	Name and Title	Date
Va	101.	al		04/24/2020
$I \mathcal{U}$	un C		Product Registrations Manager	



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Applicant's/Registrant's Name & Address	Product						
BASF Corporation, 26 Davis Drive, Research Triangle Park, NC 27709-3528	Glufosinate-ammonium (Technical) / Glufosinate-Ammonium MUP						
Ingredient Technical Glufosinate-ammonium							

Ingredient Teamine Gardoniae animonium							
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note		
			BASF Corporation	OWN			
850.2300 (71-4)			BASF Corporation	OWN			
			BASF Corporation	OWN			
			BASF Corporation	OWN			
850.3020 (141-1)			BASF Corporation	OWN			
850.3020 (141-1)			BASF Corporation	OWN			
850.SUPP			BASF Corporation	OWN	2019/2055709		

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Signature /		1	Name and Title	Date
V	101.	all	Karen Cain	04/24/2020
$I \mathcal{U}$	un C		Product Registrations Manager	



# UNITED STATES ENVIRONMENTAL PROTECTION AGENCY 401 M Street, S.W. WASHINGTON, D.C. 20460

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DATA MATRIX								
<b>Date</b> April 24, 2020	<b>EPA Reg. No./File Symbol</b> 7969-446 , 7969-445 <b>Page</b> 19 <b>of</b> 45							
Applicant's/Registrant's Name & Address	Product							
BASF Corporation, 26 Davis Drive, Research Triangle Park, NC 27709-3528	Glufosinate-ammonium (Technical) / Glufosinate-Ammonium							
Ingredient Technical Glufosinate-ammonium	MUP							

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
850.SUPP			BASF Corporation	OWN	2019/2069418
850.SUPP			BASF Corporation	OWN	2020/2035535 Waiver request
850.SUPP			BASF Corporation	OWN	
850.4100 (122-1(a))			BASF Corporation	OWN	
850.4150 (122-1(b))			BASF Corporation	OWN	
850.4200 (122-1)					
850.4225 (123-1)			BASF Corporation	OWN	
			BASF Corporation	OWN	

Signature /	/			Name and Title	Date
V	101.	ach	/	Karen Cain	04/24/2020
$I \mathcal{U}$	un C			Product Registrations Manager	i



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DATA MATRIX								
<b>Date</b> April 24, 2020	<b>EPA Reg. No./File Symbol</b> 7969-446 , 7969-445 <b>Page</b> 20 <b>of</b> 45							
Applicant's/Registrant's Name & Address	Product							
BASF Corporation, 26 Davis Drive, Research Triangle Park, NC 27709-3528	Glufosinate-ammonium (Technical) / Glufosinate-Ammonium MUP							
Ingredient Technical Glufosinate-ammonium								

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
850.4230 (123-1)					
850.4250 (123-1)			BASF Corporation	OWN	
			BASF Corporation	OWN	
			BASF Corporation	OWN	
850.4400 (122-2 & 123-2)			BASF Corporation	OWN	
850.4400			BASF Corporation	OWN	
850.4400			BASF Corporation	OWN	
850.4400			BASF Corporation	OWN	
850.4500			BASF Corporation	OWN	

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Signature /		1	Name and Title	Date
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$I \mathcal{U}$	un C		Product Registrations Manager	



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DATA MATRIX									
Date April 24, 20	020		EPA Reg. No./File Symbol 7969-446, 7969-445 Page 21 of 45			<b>of</b> 45			
	rant's Name & Address	Produ							
BASE Corporation, 2	26 Davis Drive, Research Triangle Park, NC 27709-3528		Glufo	sinate-ammonium (Technical) / Glufosinate-	-Ammoniun	n MUP			
Ingredient Te	echnical Glufosinate-ammonium								
Guideline Reference Number	Guideline Study Name	MRID Numbe	er	Submitter	Status	Note			
850.4500				BASF Corporation	OWN				
850.4550				BASF Corporation	OWN				
850.SUPP				BASF Corporation	OWN				
850.5400 (122-2 & 123-2)									
850.6200									
850.7100									

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	Signature /	. /	/ / _	Name and Title	Date
	Vai	11.	ach	Karen Cain	04/24/2020
		en		Product Registrations Manager	



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DATA MATRIX								
<b>Date</b> April 24, 2020		EPA Reg. No./File Symbol 7969-446 , 7969-445 Page 22 of 45			<b>of</b> 45			
Applicant's/Registrant's Name & Address  BASF Corporation, 26 Davis Drive, Research Triangle Park, NC 27709-3528			Produ Glufos	uct sinate-ammonium (Technical) / Glu	ufosinate- <i>P</i>	Ammoniun	n MUP	
Ingredient	Technical Glufosinate-ammonium							
Guideline Reference Number	Guideline Study Name	MRID Numb	er	Submitter		Status	Note	
SERIES 860								
860.1100 (171-2)				BASF Corporation		OWN		
				BASF Corporation		OWN		
				BASF Corporation		OWN		
				BASF Corporation		OWN		
860.1200 (171-3)								
860.1300 (171-4(a))				BASF Corporation		OWN		
				BASF Corporation		OWN		
				BASF Corporation		OWN		

Signature /	/		Name and Title	Date
	1101.	ach	/ Karen Cain	04/24/2020
$I \cup I$	un C	_	Product Registrations Manager	



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(2137), U.S. Environmental Protection Agency, 401 M Street, S.W., Washington, DC 20460. Do not send the form to this address.						
	D	ATA MA	TRIX			
<b>Date</b> April 24, 2020			EPA R	keg. No./File Symbol 7969-446 , 7969-448	5 <b>Page</b> 23	<b>of</b> 45
Applicant's/Registrant's Name & Address  BASF Corporation, 26 Davis Drive, Research Triangle Park, NC 27709-3528		Product Glufosinate-ammonium (Technical) / Glufosinate-Ammonium MUP			n MUP	
Ingredient Technical Glufosinate-ammonium						
Guideline Reference Number	Guideline Study Name	MRID Numbe	er	Submitter	Status	Note
				BASF Corporation	OWN	
				BASF Corporation	OWN	
				BASF Corporation	OWN	
				BASF Corporation	OWN	
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**BASF** Corporation

**BASF** Corporation

**BASF** Corporation

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**BASF** Corporation

Signature /	Name and Title	Date
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1 acen Co	Product Registrations Manager	

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DATA MATRIX					
Date         April 24, 2020           EPA Reg. No./File Symbol 7969-446 , 7969-445         Page 24 of 45					
Applicant's/Registrant's Name & Address	Product				
BASF Corporation, 26 Davis Drive, Research Triangle Park, NC 27709-3528	Glufosinate-ammonium (Technical) / Glufosinate-Ammonium MUP				
Ingredient Technical Glufosinate-ammonium					

ingredient resimilate difficultation							
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note		
860.1300 (171-4(b))			BASF Corporation	OWN			
			BASF Corporation	OWN			
			BASF Corporation	OWN			
			BASF Corporation	OWN			
860.1300 (171-4(b))			BASF Corporation	OWN			
860.1340 (171-4(c))			BASF Corporation	OWN			
			BASF Corporation	OWN			
			BASF Corporation	OWN			
			BASF Corporation	OWN			

Signature /	/			Name and Title	Date
V	101.	ach	/	Karen Cain	04/24/2020
$I \mathcal{U}$	un C			Product Registrations Manager	i



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DATA MATRIX					
<b>Date</b> April 24, 2020	<b>EPA Reg. No./File Symbol</b> 7969-446 , 7969-445 <b>Page</b> 25 <b>of</b> 45				
Applicant's/Registrant's Name & Address	Product				
BASF Corporation, 26 Davis Drive, Research Triangle Park, NC 27709-3528	Glufosinate-ammonium (Technical) / Glufosinate-Ammonium MUP				
Ingredient Technical Glufosinate-ammonium					

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
			BASF Corporation	OWN	
			BASF Corporation	OWN	
			BASF Corporation	OWN	
			BASF Corporation	OWN	
			BASF Corporation	OWN	
			BASF Corporation	OWN	
860.1340 (171-4(d))			BASF Corporation	OWN	
			BASF Corporation	OWN	
			BASF Corporation	OWN	

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Signature /		1	Name and Title	Date
Va	101.	al		04/24/2020
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<b>Date</b> April 24, 2020	<b>EPA Reg. No./File Symbol</b> 7969-446 , 7969-445 <b>Page</b> 26 <b>of</b> 45					
Applicant's/Registrant's Name & Address	Product					
BASF Corporation, 26 Davis Drive, Research Triangle Park, NC 27709-3528	Glufosinate-ammonium (Technical) / Glufosinate-Ammonium MUP					
Ingredient Technical Glufosinate-ammonium						

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note				
860.1360 (171-4(c))			BASF Corporation						
860.1380 (171-4(e))			BASF Corporation	OWN					
			BASF Corporation	OWN					
			BASF Corporation	OWN					
860.1400 (171-4(f))									
860.1400 (171-4(g))									
860.1400 (171-4(h))									
860.1460 (171-4(I))									
860.1480 (171-4(j))			BASF Corporation	OWN					

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Signature /	/			Name and Title	Date
	1101.	all	$\omega$	Karen Cain	04/24/2020
$I \cup I$	un C			Product Registrations Manager	



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DATA MATRIX								
Date         April 24, 2020           EPA Reg. No./File Symbol 7969-446 , 7969-445         Page 27 of 45								
Applicant's/Reg	Applicant's/Registrant's Name & Address Product							
BASF Corporatio	n, 26 Davis Drive, Research Triangle Park, NC 27709-3528	3	Glufosinate-ammonium (Technical)					
Ingredient Technical Glufosinate-ammonium								
Guideline Reference	Guideline Study Name	MRID		Submitter	Status	Note		

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
			BASF Corporation	OWN	
			BASF Corporation	OWN	
			BASF Corporation	OWN	
			BASF Corporation	OWN	
860.1500 (171-4(k))			BASF Corporation	OWN	
			BASF Corporation	OWN	
			BASF Corporation	OWN	
			BASF Corporation	OWN	
			BASF Corporation	OWN	

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Signature /	/	1	Name and Title	Date
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DATA MATRIX				
<b>Date</b> April 24, 2020	<b>EPA Reg. No./File Symbol</b> 7969-446 , 7969-445 <b>Page</b> 28 <b>of</b> 45			
Applicant's/Registrant's Name & Address	Product			
BASF Corporation, 26 Davis Drive, Research Triangle Park, NC 27709-3528	Glufosinate-ammonium (Technical) / Glufosinate-Ammonium			
Ingredient Technical Glufosinate-ammonium	MUP			

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
			BASF Corporation	OWN	
860.1500 (171-4(k)) cont.			BASF Corporation	OWN	
			BASF Corporation	OWN	
			BASF Corporation	OWN	
			BASF Corporation	OWN	
			BASF Corporation	OWN	
			BASF Corporation	OWN	
			BASF Corporation	OWN	
			BASF Corporation	OWN	

Signature /	/			Name and Title	Date
V	101.	ach	/	Karen Cain	04/24/2020
$I \mathcal{U}$	un C			Product Registrations Manager	i



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DATA MA	TRIX	
<b>Date</b> April 24, 2020	EPA Reg. No./File Symbol 7969-446	Page 29 of 45
Applicant's/Registrant's Name & Address	Product	
BASF Corporation, 26 Davis Drive, Research Triangle Park, NC 27709-3528	Glufosinate-ammonium (Technical) / Glufosinate-A	Ammonium MUP
Ingredient Technical Glufosinate-ammonium		

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
			BASF Corporation	OWN	
860.1500 (171-4(k)) cont.			BASF Corporation	OWN	
			BASF Corporation	OWN	
			BASF Corporation	OWN	
			BASF Corporation	OWN	
			BASF Corporation	OWN	
			BASF Corporation	OWN	
			BASF Corporation	OWN	
			BASF Corporation	OWN	

Signature /	/			Name and Title	Date
V	101.	ach	/	Karen Cain	04/24/2020
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DATA MATRIX							
Date         April 24, 2020           EPA Reg. No./File Symbol 7969-446 , 7969-445         Page 30 of 45							
Applicant's/Registrant's Name & Address	Product						
BASF Corporation, 26 Davis Drive, Research Triangle Park, NC 27709-3528	Glufosinate-ammonium (Technical) / Glufosinate-Ammonium MUP						
Ingredient Technical Glufosinate-ammonium							

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note		
			BASF Corporation	OWN			
860.1500 (171-4(k)) cont.			BASF Corporation	OWN			
			BASF Corporation	OWN			
			BASF Corporation	OWN			
			BASF Corporation	OWN			
			BASF Corporation	OWN			
			BASF Corporation	OWN			
			BASF Corporation	OWN			
			BASF Corporation	OWN	Conducted by IR-4		

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Signature /		1	Name and Title	Date
V	101.	all	Karen Cain	04/24/2020
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DATA MATRIX         Date April 24, 2020       EPA Reg. No./File Symbol 7969-446, 7969-445       Page 31 of 45         Applicant's/Registrant's Name & Address       Product         BASF Corporation, 26 Davis Drive, Research Triangle Park, NC 27709-3528       Glufosinate-ammonium (Technical) / Glufosinate-Ammonium MUP         Ingredient Technical Glufosinate-ammonium         Guideline Reference Number       Guideline Study Name       MRID Number       Submitter       Status       Note	(2137), U.S. Environmental Protection Agency, 401 M Street, S.W., Washington, DC 20460. Do not send the form to this address.						
Applicant's/Registrant's Name & Address  BASF Corporation, 26 Davis Drive, Research Triangle Park, NC 27709-3528  Ingredient  Technical Glufosinate-ammonium  Guideline Reference  Guideline Study Name  Product  Glufosinate-ammonium (Technical) / Glufosinate-Ammonium MUP  MRID Number  Submitter  Status Note		!	DATA M/	ATRIX			
BASF Corporation, 26 Davis Drive, Research Triangle Park, NC 27709-3528  Ingredient Technical Glufosinate-ammonium  Guideline Reference Guideline Study Name  MRID Number  Submitter  Status Note	<b>Date</b> April 24, 2020				keg. No./File Symbol 7969-446 , 7969-445	<b>Page</b> 31	<b>of</b> 45
Guideline Reference Guideline Study Name  MRID Number Submitter Status Note	-						
Reference Guideline Study Name Submitter Status Note	Ingredient Technical Glufosinate-ammonium						
	Reference	Guideline Study Name		er	Submitter	Status	Note
60.1520 (171-4(I)) BASF Corporation OWN					BASF Corporation	OWN	
BASF Corporation OWN					BASF Corporation	OWN	
BASF Corporation OWN					BASF Corporation	OWN	

**BASF** Corporation

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**BASF** Corporation

Signature /		Name and Title	Date
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**DATA MATRIX** 

Date April 24, 20	020	<b>EPA Reg. No./File Symbol</b> 7969-446 , 7969-445 <b>Page</b> 32 <b>of</b> 45					
	rant's Name & Address 26 Davis Drive, Research Triangle Park, NC 27709-3528	Produ					
BASE Corporation, A	20 Davis Drive, Research Thangle Park, NC 27709-3526		Glutos	sinate-ammonium (Technical) / Glufosinate-	Ammoniun	n MUP	
Ingredient Technical Glufosinate-ammonium							
Guideline Reference Number	Guideline Study Name	MRID Number		Submitter	Status	Note	
				BASF Corporation	OWN		
				BASF Corporation	OWN		
				BASF Corporation	OWN		
				BASF Corporation	OWN		
				BASF Corporation	OWN		
				BASF Corporation	OWN		
				BASF Corporation	OWN		

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Signature	/ /		Name and Title	Date
	1101.	ach	Karen Cain	04/24/2020
1 (	men (		Product Registrations Manager	



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DATA MATRIX							
<b>Date</b> April 24, 2020				<b>EPA Reg. No./File Symbol</b> 7969-446, 7969-445 <b>Page</b> 33 <b>of</b> 45			
Applicant's/Registrant's Name & Address  BASF Corporation, 26 Davis Drive, Research Triangle Park, NC 27709-3528				Product Glufosinate-ammonium (Technical)			
Ingredient Technical Glufosinate-ammonium							
Guideline Reference Number	Guideline Study Name	MRID Numbe		Submitter	Status	Note	
860.1540 (171-5)							
860.1550 (171-6)							
860.1560 (171-7)							
860.1650 (171-13)							
860.1850 (165-1)				BASF Corporation	OWN		
				BASF Corporation	OWN		
				BASF Corporation	OWN		
				BASF Corporation	OWN		
				BASF Corporation	OWN		

Signature /			Name and Title	Date
V	101.	ach	/ Karen Cain	04/24/2020
	un C		Product Registrations Manager	



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Date April 24, 20	020		<b>EPA Reg. No./File Symbol</b> 7969-446, 7969-445 <b>Page</b> 34 of 45			<b>of</b> 45	
Applicant's/Registrant's Name & Address  BASF Corporation, 26 Davis Drive, Research Triangle Park, NC 27709-3528				Product Glufosinate-ammonium (Technical)			
Ingredient Te	echnical Glufosinate-ammonium						
Guideline Reference Number	Guideline Study Name	MRID Number		Submitter	Status	Note	
				BASF Corporation	OWN		
				BASF Corporation	OWN		
				BASF Corporation	OWN		
860.1900 (165-2)				BASF Corporation	OWN		
				BASF Corporation	OWN		
				BASF Corporation	OWN		
165-3				BASF Corporation	OWN		
SERIES 870							

Signature /	/		Name and Title	Date
	1101.	ach	/ Karen Cain	04/24/2020
$I \cup I$	un C	_	Product Registrations Manager	



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DATA MATRIX					
Date         April 24, 2020           EPA Reg. No./File Symbol 7969-446, 7969-445         Page 35 of 45					
Applicant's/Registrant's Name & Address	Product				
BASF Corporation, 26 Davis Drive, Research Triangle Park, NC 27709-3528	Glufosinate-ammonium (Technical)				

Ingredient Technical Glufosinate-ammonium Guideline MRID Reference **Guideline Study Name Submitter Status** Note Number Number 870.1100 **BASF** Corporation OWN (81-1) **BASF** Corporation OWN 870.1200 OWN **BASF** Corporation (81-2)**BASF** Corporation OWN 870.1300 **BASF** Corporation OWN (81-3)**BASF** Corporation OWN **BASF** Corporation OWN **BASF** Corporation OWN **BASF** Corporation OWN

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Signature /		1	Name and Title	Date
V	101.	all	Karen Cain	04/24/2020
$I \mathcal{U}$	un C		Product Registrations Manager	



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DATA MATRIX						
Date         April 24, 2020           EPA Reg. No./File Symbol 7969-446 , 7969-445         Page 36 of 45						
Applicant's/Registrant's Name & Address	Product					
BASF Corporation, 26 Davis Drive, Research Triangle Park, NC 27709-3528	Glufosinate-ammonium (Technical)					
Ingredient Technical Glufosinate-ammonium						

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note		
870.2400 (81-4)			BASF Corporation	OWN			
870.2500 (81-5)			BASF Corporation	OWN			
870.2600 (81-6)			BASF Corporation	OWN			
870.3100 (82-1(a))			BASF Corporation	OWN			
			BASF Corporation	OWN			
870.3150 (82-1(b))			BASF Corporation	OWN			
870.3200 (82-2)			BASF Corporation	OWN			
870.3250 (82-3)							

Signature /			Name and Title	Date
Va	101.	am	Karen Cain	04/24/2020
$I(\mathcal{U})$	un C		Product Registrations Manager	1



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(2137), U.S. Environmental Protection Agency, 401 M Street, S.W., Washington, DC 20460. Do not send the form to this address.

#### 

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
870.3465 (82-4)			BASF Corporation	OWN	
870.3700 (83-3(a))			BASF Corporation	OWN	
			BASF Corporation	OWN	
			BASF Corporation	OWN	
870.3700 (83-3(b))			BASF Corporation	OWN	
			BASF Corporation	OWN	
870.3800 (83-4)			BASF Corporation	OWN	
870.4100 (83-1(a))			BASF Corporation	OWN	

Signature /	/			Name and Title	Date
V	101.	ach	/	Karen Cain	04/24/2020
$I \mathcal{U}$	un C			Product Registrations Manager	i



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DATA MATRIX							
<b>Date</b> April 24, 2020	<b>EPA Reg. No./File Symbol</b> 7969-446 , 7969-445 <b>Page</b> 38 <b>of</b> 45						
Applicant's/Registrant's Name & Address	Product						
BASF Corporation, 26 Davis Drive, Research Triangle Park, NC 27709-3528	Glufosinate-ammonium (Technical)						
Ingredient Technical Glufosinate-ammonium							

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
			BASF Corporation	OWN	
			BASF Corporation	OWN	
870.4100 (83-1(b))			BASF Corporation	OWN	
870.4200 (83-2(a))			BASF Corporation	OWN	
			BASF Corporation	OWN	
			BASF Corporation	OWN	
			BASF Corporation	OWN	
870.4200 (83-2(b))			BASF Corporation	OWN	
			BASF Corporation	OWN	

		_		
Signature /		1	Name and Title	Date
Va	101.	al		04/24/2020
$I \mathcal{U}$	un C		Product Registrations Manager	



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DATA MATRIX									
Date April 24, 20	020	<b>EPA Reg. No./File Symbol</b> 7969-446 , 7969-445 <b>Page</b> 39 <b>of</b> 45			<b>of</b> 45				
Applicant's/Regist	rant's Name & Address		Produ	ct					
BASF Corporation, 2	26 Davis Drive, Research Triangle Park, NC 27709-3528		Glufos	inate-ammonium (Tecl	nnical)				
Ingredient Te	echnical Glufosinate-ammonium								
Guideline Reference Number	Guideline Study Name	MRID Number				Submitter		Status	Note
870.4300 (83-5)									
870.5100 (84-2)				BASF Corporation		OWN			
				BASF Corporation		OWN			
870.5140 (84-2)									
870.5195 (84-2)									
870.5200 (84-2)									
870.5250 (84-2)									
870.5265 (84-2)									

Signature /		<i>_</i> .	Name and Title	Date
	2101.	200	Karen Cain	04/24/2020
I u	uen C		Product Registrations Manager	



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		DATA MA	ATRIX			
Date April 24, 20	020	EPA Reg. No./File Symbol 7969-446, 7969-445 Page 40 of 45			<b>of</b> 45	
	rant's Name & Address		Produ			
BASF Corporation, 2	26 Davis Drive, Research Triangle Park, NC 27709-3528		Glufos	inate-ammonium (Technical)		
Ingredient Te	echnical Glufosinate-ammonium					
Guideline Reference Number	ference Guideline Study Name		er	Submitter	Status	Note
870.5275 (84-2)						
870.5300 (84-2)						
870.5375 (84-2)				BASF Corporation	OWN	
				BASF Corporation	OWN	
				BASF Corporation	OWN	
870.5380 (84-2)						
870.5385 (84-2)						
870.5395 (84-2)						
870.5450 (84-2)						

Signature /	/	/.	Name and Title	Date
$V_{I}$	2/01.	ach	Karen Cain	04/24/2020
I u	un C		Product Registrations Manager	



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<b>Date</b> April 24, 2020				<b>EPA Reg. No./File Symbol</b> 7969-446, 7969-445 <b>Page</b> 41 <b>of</b> 45				
	rant's Name & Address		Produ	ct				
BASF Corporation, 2	26 Davis Drive, Research Triangle Park, NC 27709-3528		Glufos	inate-ammonium (Technical)				
Ingredient Te	echnical Glufosinate-ammonium							
Guideline Reference Number	Guideline Study Name	MRID Numbe		Submitter	Status	Note		
870.5460 (84-2)								
870.5500 (84-2)								
870.5550 (84-2)								
870.5575 (84-2)								
870.5900 (84-2)								
870.5915 (84-2)								
84-4				BASF Corporation	OWN			
				BASF Corporation	OWN			
				BASF Corporation	OWN			

Signature			•	Name and Title	Date
	1101.	all	$\omega$	Karen Cain	04/24/2020
1	men (	_		Product Registrations Manager	



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Date April 24, 2	020	<b>EPA Reg. No./File Symbol</b> 7969-446 , 7969-445 <b>Page</b> 42 <b>of</b> 45						
Applicant's/Regist	trant's Name & Address	Produ	ct					
BASF Corporation,	26 Davis Drive, Research Triangle Park, NC 27	709-3528	Glufos	inate-ammonium (Technical)				
Ingredient T	echnical Glufosinate-ammonium							
Guideline Reference Number	Reference Guideline Study Name			Submitter	Status	Note		
870.6100 (81-7), (82-5), & (82-6)								
870.6200 (81-8), (82-7), & (83-1)				BASF Corporation	OWN			
				BASF Corporation	OWN			
				BASF Corporation	OWN			
				BASF Corporation	OWN			
				BASF Corporation	OWN			
				BASF Corporation	OWN			

		_		
Signature /	· /		Name and Title	Date
	101.	ach	Karen Cain	04/24/2020
$I \mathcal{U}$	un C	-	Product Registrations Manager	



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DATA MATRIX							
Date         April 24, 2020           EPA Reg. No./File Symbol 7969-446, 7969-445         Page 43 of 45							
Applicant's/Registrant's Name & Address Product							
BASF Corporation, 26 Davis Drive, Research Triangle Park, NC 27709-3528 Glufosinate-ammonium (Technical)							
Ingredient Technical Glufosinate-ammonium							

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
			BASF Corporation	OWN	
870.6300 (83-6)			BASF Corporation	OWN	
870.6500 (82-5)			BASF Corporation	OWN	
870.7485 (85-1)			BASF Corporation	OWN	
			BASF Corporation	OWN	
			BASF Corporation	OWN	
			BASF Corporation	OWN	
			BASF Corporation	OWN	

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Signature /			Name and Title	Date
Va	101.	au	Karen Cain	04/24/2020
$I \mathcal{U}$	ien C		Product Registrations Manager	



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	D	ATA MA	TRIX						
Date April 24, 20	)20		EPA R	PA Reg. No./File Symbol 7969-446 , 7969-445 Page 44 of 45					
Applicant's/Registrant's Name & Address  BASF Corporation, 26 Davis Drive, Research Triangle Park, NC 27709-3528				Product Glufosinate-ammonium (Technical)					
Ingredient Te	echnical Glufosinate-ammonium								
Guideline Reference Number	eference Guideline Study Name			Submitter	Status	Note			
				BASF Corporation	OWN				
				BASF Corporation	OWN				
				BASF Corporation	OWN				
				BASF Corporation	OWN				
				BASF Corporation	OWN				
				BASF Corporation	OWN				
				BASF Corporation	OWN				
				BASF Corporation	OWN				
				BASF Corporation	OWN				

Signature			•	Name and Title	Date
	1101.	all	$\omega$	Karen Cain	04/24/2020
1	men (	_		Product Registrations Manager	



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Date April 24,	2020	EPA Reg. No./File Symbol 7969-446 , 7969-445 Page 45 of 45							
	Applicant's/Registrant's Name & Address  BASF Corporation, 26 Davis Drive, Research Triangle Park, NC 27709-3528  Product  Glufosinate-ammonium (Technical)								
Ingredient	Technical Glufosinate-ammonium								
Guideline Reference Number	Guideline Study Name	MRID Numb	MRID Submitter Status Note						
SERIES 875									
875.SUPP									

Signature /	Name and Title	Date
Value (all	Karen Cain	04/24/2020
Title C	Product Registrations Manager	